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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,930	11/06/2003	Liwen Xu	81044242(FGT1865)	2929
28549	7590	05/04/2005	EXAMINER	
KEVIN G. MIERZWA ARTZ & ARTZ, P.C. 28333 TELEGRAPH ROAD, SUITE 250 SOUTHFIELD, MI 48034			NGUYEN, TAN QUANG	
			ART UNIT	PAPER NUMBER
			3661	

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/605,930	Applicant(s) XU ET AL.	
	Examiner TAN Q NGUYEN	Art Unit 3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-160 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-160 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/06/03</u> . | 6) <input type="checkbox"/> Other: _____ |



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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10/605, 930

EXAMINER

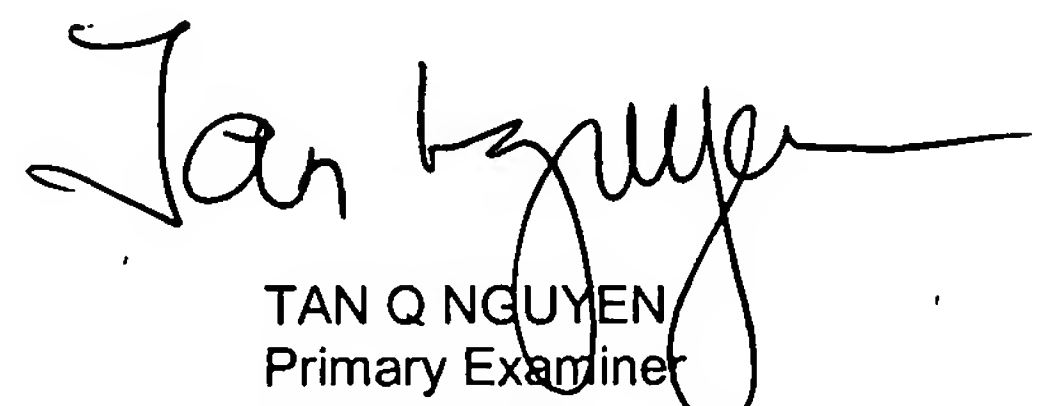
ART UNIT	PAPER
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20050430

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents


TAN Q NGUYEN
Primary Examiner
Art Unit: 3661

DETAIL OFFICE ACTION

Restriction

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-35, drawn to a control system for an automobile vehicle for controlling the rollover control system based on the dynamic vehicle control signal, classified in class 701, subclass 70.
 - II. Claims 36-58, drawn to a control system for an automobile vehicle for controlling the vehicle based on the generated aggressive driving signal or loss control signal, classified in class 701, subclass 45.
 - III. Claims 59-68, drawn to a control system for an automobile vehicle for controlling the vehicle based on the vehicle speed signal and wheel lock or wheel slip condition, classified in class 701, subclass 90.
 - IV. Claims 69-80, drawn to a control system for an automobile vehicle for controlling the vehicle based on the determined lateral velocity and a side slip angle, classified in class 280, subclass 5,502.
 - V. Claims 81-94, drawn to a control system for an automobile vehicle for controlling the vehicle based on the generated low mu identification signal the road surface, classified in class 701, subclass 80.
 - VI. Claims 95-104, drawn to a control system for an automobile vehicle for controlling the rollover control system by changing a first control strategy to a second control strategy based on the image signal, classified in class 348, subclass 118.

- VII. Claims 105-143, drawn to a control system for an automobile vehicle for controlling the vehicle by generating a tripping hazard signal, classified in class 340, subclass 438.
- VIII. Claims 144, drawn to a control system for an automobile vehicle for correcting a drift error of the sensor, classified in class 701, subclass 34.
- IIIX. Claims 145-160, drawn to a control system for an automobile vehicle for controlling the vehicle based on the roll attitude/angle or pitch attitude/angle, classified in class 280, subclass 5,507.

2. The inventions are distinct, each from the other because the inventions I to IIIX are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions. Group I, refers to a control system for an automobile vehicle for controlling the rollover control system based on the dynamic vehicle control signal; Group II drawn to a control system for an automobile vehicle for controlling the vehicle by increasing the control dynamic control system entry threshold in response to the aggressive driving signal and reducing such entry threshold is response to the loss of control signal; while Group III is about a control system for an automobile vehicle for controlling the vehicle based on the vehicle speed signal and wheel lock or wheel slip condition; Group IV drawn to a control system for an automobile vehicle for controlling the vehicle based on the determined lateral velocity and a side slip angle; Group V recites a control system for an automobile vehicle for controlling the vehicle based on the generated low mu

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identification signal the road surface; Group VI drawn to a control system for an automobile vehicle for controlling the rollover control system by changing a first control strategy to a second control strategy based on the image signal; Group VII refers to a control system for an automobile vehicle for controlling the vehicle by generating a tripping hazard signal; Group VIII relates to a control system for an automobile vehicle for correcting a drift error of the sensor; and Group IIX drawn to a control system for an automobile vehicle for controlling the vehicle based on the roll attitude/angle or pitch attitude/angle.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Tan Nguyen, whose telephone number is (571) 272-6966. The examiner can normally be reached on Monday-Thursday from 5:30 AM-4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black, can be reached on (5751) 272-6956.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to Official Fax Center:

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(703) 872-9306, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park V, 2451 Crystal Drive, Arlington, VA., Seventh Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-6584.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/tqn
April 30, 2005


TAN Q. NGUYEN
Primary Examiner
Art Unit 3661